

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/531,152
(Use as many sheets as necessary)				Filing Date (Int'l)	October 20, 2003
Sheet	1	of	2	First Named Inventor	Paul HOWARD
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number 562492004000	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number+Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1.	US-2002/0126220-A1	09-12-2002	Wilson et al.		
2.	US-5,627,826-A	05-06-1997	Kameda et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code*+Number+Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3.	EP-0 551 803-A1, B1	07-21-1993	Telefonaktiebolaget L M Ericsson		T ⁴
4.	EP-0 827 295-A2, A3	03-04-1998	Siemens AG		
5.	EP-0 994 570-A1	04-19-2000	Sony International (Europe) GMBH		
6.	EP-1 235 360-A1	08-28-2002	Matsushita Electric Industrial Co., Ltd.		
7.	WO-02/082705-A1	10-17-2002	Linkair Communications, Inc.		
8.	WO-2004/039098-A1	05-06-2004	IPWireless, Inc.		

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ¹ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ² Enter Office that issued the document, by the two-letter code (WIPO Standard ST.1). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
9.	3GPP (March 2002). "3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; BS Radio Transmission and Reception (TDD) (Release 1999)," 3GPP TS 25.105, V3.10.0, pp. 1-39.				
10.	3GPP (March 2002). "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels onto Physical Channels (TDD) (Release 1999)," 3GPP TS 25.221, V3.10.0, pp. 1-51.				
11.	ETSI (December 2000). "Universal Mobile Telecommunications System (UMTS); UTRA (BS) TDD; Radio Transmission and Reception (3GPP TS 25.105 version 3.5.0 Release 1999)," ETSI TS 125 105 V3.5.0 pp. 1-18.				
12.	Hosur, S. et al. (September 2000). "Design of Cyclically Permutable Codes for PN Code Acquisition in WCDMA TDD Mode," IEEE VTS Fall VTC2000 52nd Vehicular Technology Conference, Boston, MA, September 24-28, 2000, pp. 581-587.				
13.	Koukourlis, S.S. et al. (March 1995). "On the Capacity of an FFIH-CDMA Packet Radio Network," IEEE Transactions on Broadcasting, 41(1):17-22.				
14.	Lei, M. et al. (June 2002). "Channel Estimation Based on Midamble in UTRA-TDD System," Proceeding of the International Conference on Telecommunications 2002, Beijing, China, June 23-26, 2002, 2:434-438.				
15.	Search Report for GB Application No. 0224757.5 filed October 24, 2002, mailed April 28, 2003, one page.				

Examiner Signature pa-693759	/David Lugo/	Date Considered	01/03/2009
---------------------------------	--------------	-----------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DL/

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/531,152
				Filing Date (Int'l)	October 20, 2003
				First Named Inventor	Paul HOWARD
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	562492004000

16.	Sills, J.A. (August 2002). "Adaptive Power Amplifier Linearization by Digital Pre-Distortion Using Genetic Algorithms," <i>IEEE Radio and Wireless Conference</i> , Boston, MA, August 11-14, 2002, pp. 229-232.	
17.	Springer, A. et al. (September 2001). "Digital Predistortion-Based Power Amplifier Linearization for UMTS," <i>European Conference on Wireless Technology</i> , London, England, September 27-28, 2001, pp. 185-188.	
18.	Steiner, B. et al. (September 1993). "Uplink Channel Estimation in Synchronous CDMA Mobile Radio Systems with Joint Detection," <i>The 4th International Symposium on Personal, Indoor and Mobile Radio Communications Yokohama, JP</i> , September 8-11, 1993, pp. 123-127.	
19.	Steiner, B. et al. (Jan.-Feb. 1994). "Optimum and Suboptimum Channel Estimation for the Uplink of CDMA Mobile Radio Systems with Joint Detection," <i>European Transactions on Telecommunications and Related Technologies</i> 5(1):39-50.	
20.	Vääränen, O. et al. (September 2002). "Reducing the Peak to Average Ratio of Multicarrier GSM and EDGE Signals," <i>13th IEEE International Symposium on Personal Indoor and Mobile Radio Communications</i> , Lisboa, PT, September 15-18, 2002, 1:115-119.	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/David Lugo/	Date Considered	01/03/2009
--------------------	--------------	-----------------	------------

pa-893759

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DL/